

Recombinant Full Length Human NRGN Protein, GST-tagged

Cat. No. NRGN-6831HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NRGN full-length ORF (AAH02835, 1 a.a. - 78 a.a.) recombinant protein with GST-tag at N-terminal was expressed in wheat germ expression system.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	78 amino acids
Description	Neurogranin (NRGN) is the human homolog of the neuron-specific rat RC3/neurogranin gene. This gene encodes a postsynaptic protein kinase substrate that binds calmodulin in the absence of calcium. The NRGN gene contains four exons and three introns. The exons 1 and 2 encode the protein and exons 3 and 4 contain untranslated sequences. It is suggested that the NRGN is a direct target for thyroid hormone in human brain, and that control of expression of this gene could underlay many of the consequences of hypothyroidism on mental states during development as well as in adult subjects.
Molecular Mass	34.32 kDa
AA Sequence	MDCCTENACSKPDDDILDDPGANAAAAKIQASFRGHMARKKIKSGERGRKGP GPGGPGGAGVARGGAGGGPSGD
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	NRGN neurogranin [Homo sapiens (human)]
Official Symbol	NRGN
Synonyms	NRGN; neurogranin; RC3; hng
Gene ID	4900
mRNA Refseq	NM_006176
Protein Refseq	NP_006167
MIM	602350
UniProt ID	Q92686

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